

Statement of Purpose

I am **Sumesh Divakaran**. I am writing to express my sincere interest in the Master's program in Mechanical Engineering at Technical University of Kosice, Slovakia. I have a strong academic background, extensive hands-on experience in engineering projects, and a passion for innovation, which I believe makes me an ideal candidate for the program.

During my higher secondary schooling time, I had keen interest in the field of physics and mathematics. The working and mechanism of different equipment excited me. This paved the way for selecting mechanical engineering for my Bachelors. I have completed my graduation in **Mechanical Engineering** in 2014. I have graduated from Visweswaraya Technical University, Belagavi in 2014. During my Bachelor's degree in Mechanical Engineering, I consistently strived for academic excellence, culminating in a commendable CGPA. I developed in-depth knowledge in designing software like AUTOCAD, SOLIDWORKS, CATIA and UNGRAPHICS etc.

After graduating, I was hired by VINAYAKA CNC TECHNOLOGIES as Mechanical Draughtsman. My experience working on different projects was incredibly valuable and provided me with hands-on experience essential for advancing in the field of designing. Later I joined in APK PACKAGING (INDIA) PVT.LTD as CAD Designer for one year. This helped to explore more in the field of mechanical designing.

The Mechanical designer role in companies like The Metaloids and Bluemax Engineering PVT limited helped me to involve in all stages of the project, from planning to commissioning, which allowed me to gain insight into design and construction methodologies. I was also responsible for project planning and scheduling, ensuring coordination among teams and strict adherence to timelines. I paid close attention to regulatory compliance, navigating complex environmental and safety standards to ensure the project met requirements. My role required effective stakeholder management, quality assurance, and control, and I developed a comprehensive skill set necessary for successful project execution.

This first-hand experience honed my technical abilities and fostered effective communication and problem-solving skills, essential for overcoming challenges in dynamic project environments. Overall, my tenure as a Mechanical Engineer equipped me with the practical expertise and leadership acumen necessary for future success in the natural gas pipeline industry. Through these work experiences I have attained, Comprehensive knowledge of Manufacturing Processes and Supply Chain principles of mechanical engineering. Strong understanding of general machining techniques and manufacturing processes, as well as product lifecycle management and computer-aided engineering. Familiarity with industrial equipment and machinery, robots, transportation systems, and heating and cooling systems is also required.

I am thrilled to express my passionate interest in driving innovation and finding sustainable solutions to tackle global challenges. Pursuing a **Master's degree in Mechanical Engineering** will enable me to broaden my horizon and gain more in-depth knowledge in advanced topics such as sustainable manufacturing, Automobile designing, renewable energy systems, and process optimization. I am particularly excited about University of Kosice, exceptional reputation for higher education, with its world-renowned faculty, cutting-edge research facilities, and vibrant academic community. I am confident that this program will provide me with an excellent platform to learn and grow as an aspiring engineer and innovator.

The curriculum of Master's program in Mechanical Engineering will help me to enhance my knowledge in this field. Also, I would venture out in various subject domains and also develop a strong sense of independence coupled with responsibility and self-reliance, characteristic of the European Culture. It would also help me learn global standard in this field and become aware of the worldwide competition, which I think would be a great help to make me strong and bring out the best of myself.

In conclusion, I am confident that the Master's program in Mechanical Engineering at Technical University of Kosice will provide me with the knowledge, skills, and networks necessary to achieve my career goals and make a meaningful impact in the field of engineering. Thank you for considering my application, and I look forward to the opportunity to contribute to the academic community at the University

Thanking you

Sumesh Divakaran